

## **Form 2**

### **USQD Work Sheet**

#### **Introduction**

Identify the issue to be discussed

#### **Part I. Impact on Accidents**

1. Identify the accidents reviewed for potential impact by the issue.
2. Discuss how the parameters and systems affected by the issue impact the consequences of the accident(s) identified in I-1 above.
3. Identify the accidents whose probability of occurrence can be affected by the issue or for which the issue can be considered an initiating event.
4. Discuss the impact of the issue on the probability of the accidents identified in I-3 above occurring.
5. Identify the equipment important to safety affected by the issue.
6. Discuss the impact of the issue and/or failures associated with the issue on the probability of malfunction of the equipment identified in I-5 above.
7. Discuss how the issue impacts the performance of the equipment important to safety identified in I-5 above relative to the release of hazardous or radioactive materials and relative to the consequences that could result from a malfunction.

#### **Part II. Potential for Creating a New Type of Accident or Malfunction**

1. Discuss the impact of the issue and/or failures associated with the issue, and determine whether the impact will affect the facility response to the point where an accident of a different type must be considered.
2. Determine whether the issue or failures associated with the issue increases the probability of an accident previously considered incredible to the point where it should be considered within the authorization. Discuss the basis for this determination.

3. Discuss whether the impact of the issue and/or failures associated with the issue contribute to failures of equipment important to safety such that a malfunction of a different type is created.
4. Determine whether the issue or failures associated with the issue increase the probability of a malfunction of equipment important to safety previously considered incredible to the point where it should be considered within the authorization. Discuss the basis for this determination.

### **Part III. Impact on the Safety Margin and TSRs**

1. Identify the safety margins related to this issue.
2. Discuss how the issue may reduce any margins of safety or change the basis of any TSR.
3. Determine if any new TSRs are required.

Any change to the TSR, including the development of new TSRs, requires DOE approval. Such changes must be made in accordance with DOE O 5480.22.

#### **References**

List the references used to perform the safety evaluation.

**End of Form 2**